# 빠른 웹 개발을 위한
# AWS Amplify 프론트엔드 기능 살펴보기

배진수, 당근

Amplify is
'everything you need to build
full-stack web and mobile apps'
on AWS.

# Amplify Studio
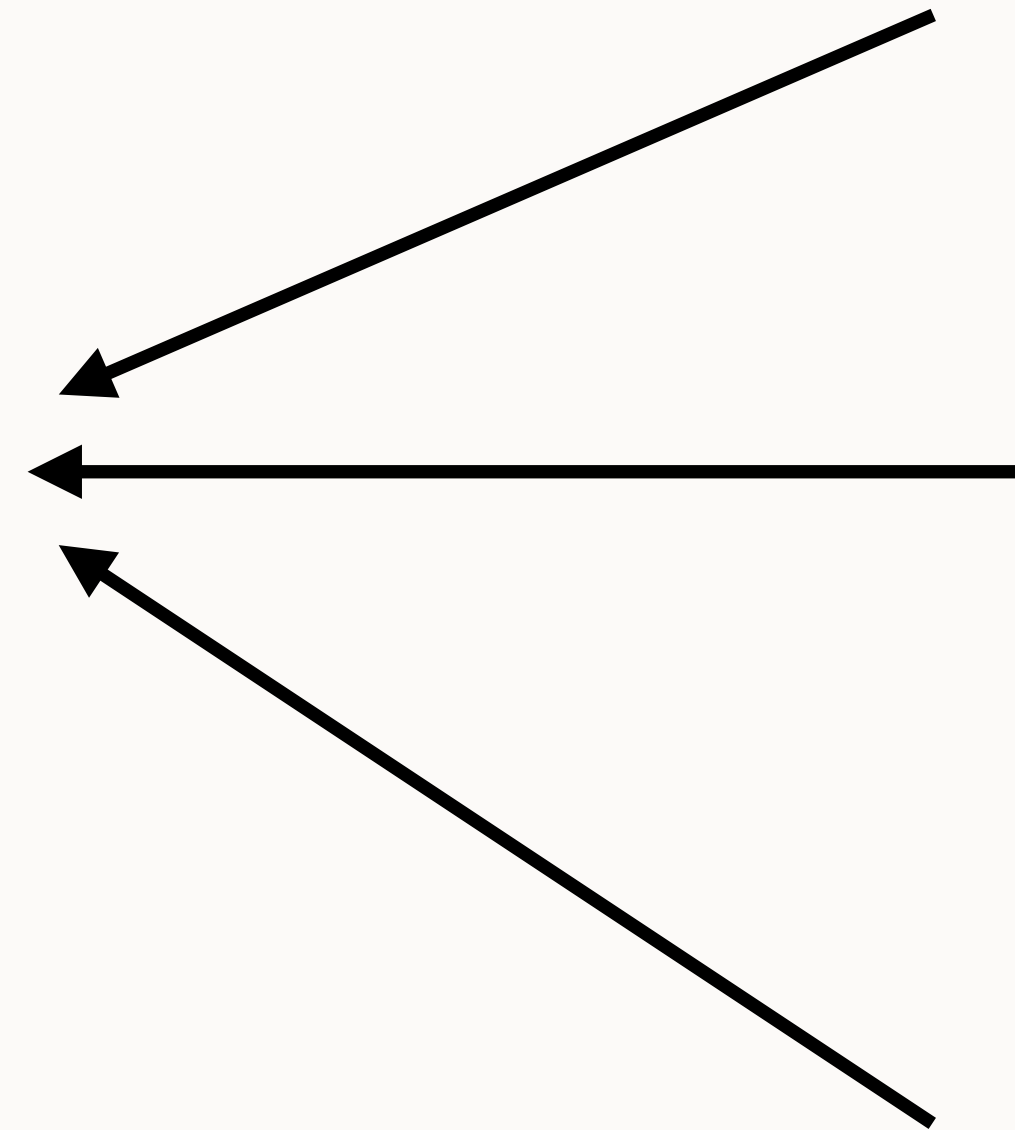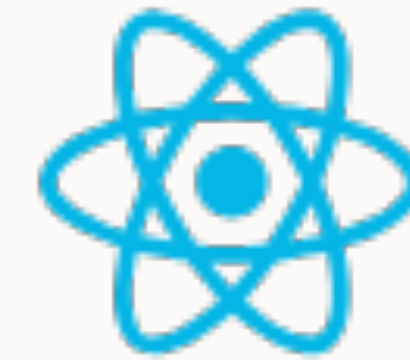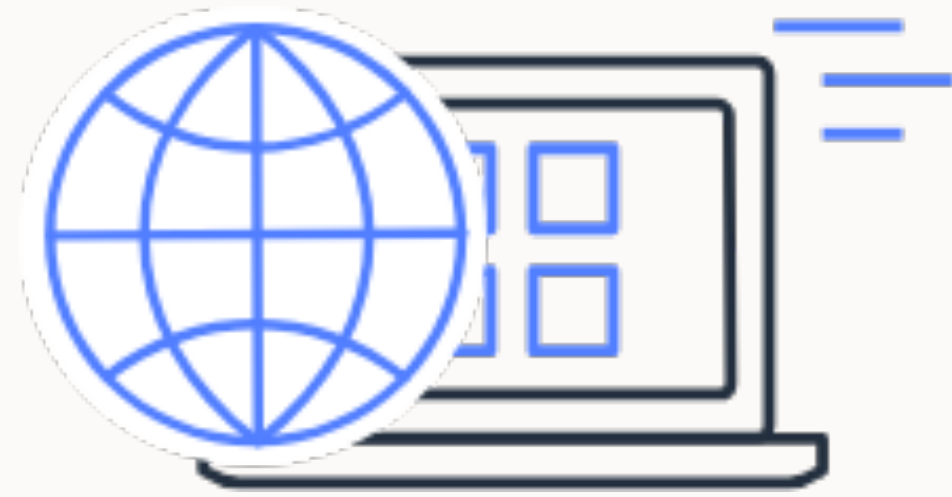
# Amplify Hosting
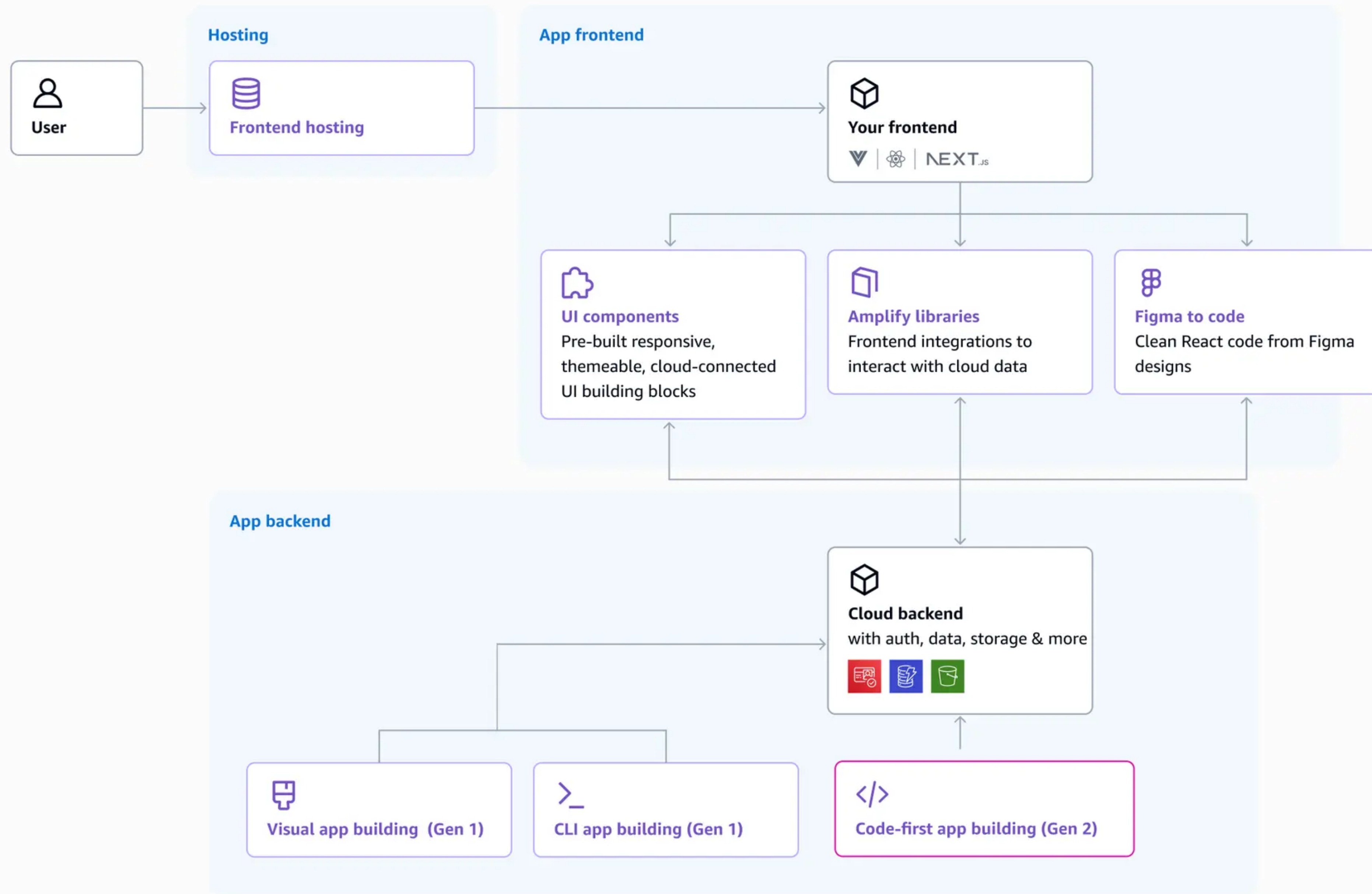
# Amplify Studio



Authentication          Data Store          Storage

Amplify Hosting

# Hosting

**User**

**Frontend hosting**

# App frontend

**Your frontend**
V | React | NEXT.js

**UI components**
Pre-built responsive, themeable, cloud-connected UI building blocks

**Amplify libraries**
Frontend integrations to interact with cloud data

**Figma to code**
Clean React code from Figma designs

# App backend

**Cloud backend**
with auth, data, storage & more

**Visual app building (Gen 1)**

**CLI app building (Gen 1)**

**Code-first app building (Gen 2)**

# Amplify Hosting - CI / CD

## Add repository branch

### GitHub

✓ GitHub authorization was successful.

Repository service provider

⬤ GitHub

---

Recently updated repositories

| naru200/hello-naru200 ▼ | ↻ |

ⓘ If you don't see your repository in the dropdown above, ensure the Amplify GitHub App has permissions to the repository. If your repository still doesn't appear, push a commit and click the refresh button.

**View GitHub permissions**

---

Branch
Select a branch from your repository.

| main ▼ |

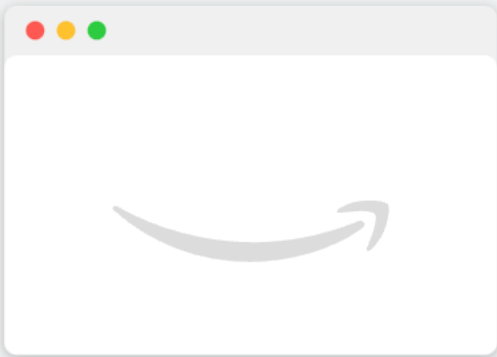☐ Connecting a monorepo? Pick a folder.

---

| Hosting environments | Backend environments |

This tab lists all connected branches, select a branch to view build details.

**Connect branch**

### main

Continuous deploys set up (Edit)

https://main...amplifyapp.com ⎘

○ Provision ─── ○ Build ─── ○ Deploy

| Last deployment | Last commit | Previews |
| --- | --- | --- |
| 2/26/2024, 12:04:14 PM | Edit build command \| 25270f7 \| GitHub - main ⎘ | Disabled |

# Amplify Hosting - Feature branch deployments

This tab lists all connected branches, select a branch to view build details.

<span style="background-color:orange">**Connect branch**</span>

## dev

Continuous deploys set up (Edit)

https://dev.hello.naru200.com ⧉

Provision — Build — Deploy
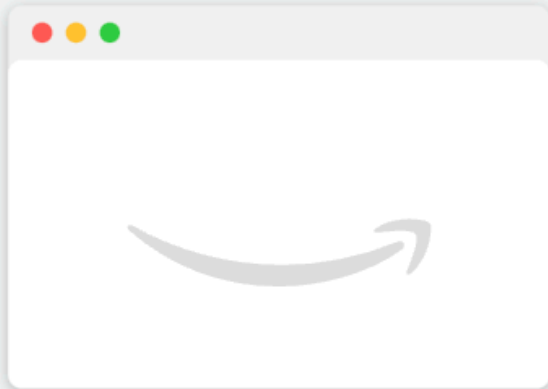
| Last deployment | Last commit | Previews |
|---|---|---|
| 2/26/2024, 2:26:45 PM | This is an autogenerated message \| Auto-build \| GitHub - dev ⧉ | Disabled |

## main

Continuous deploys set up (Edit)

https://hello.naru200.com ⧉

Provision — Build — Deploy

| Last deployment | Last commit | Previews |
|---|---|---|
| 2/26/2024, 2:21:17 PM | Edit build command \| 25270f7 \| GitHub - main ⧉ | Disabled |

# Amplify Hosting - Environment variables



All apps > pose-store > App settings: Environment variables

## Environment variables

Environment variables are key/value pairs that contain any constant values your app needs at build time, for instance database connection details or third party API keys. Learn more ⧉

**Environment variables**                    **Manage variables**

‹ **1** ›

| Variable | Value |
|---|---|
| API_ENDPOINT | https:▮ ▮▮▮▮ |
| NEXT_PUBLIC_API_ENDPOINT | https:▮ ▮▮▮▮ |
| SENTRY_AUTH_TOKEN | sntrys_eyJpYXQiOjE3MDQ ▮▮▮▮▮▮▮▮▮▮▮▮ |
| _CUSTOM_IMAGE | public.ecr.aws/docker/library/node:18.18.2 |
| USER_BRANCH | prb |

or



SSM
Parameter Store

# Amplify Hosting - Build setting

## App build specification

**Download** | **Edit**

To modify your app's build spec choose 'Edit'. Alternatively, you may download the YML file and deploy in the root of your repository to as amplify.yml to override this setting.

File: amplify.yml

```yml
 1  version: 1
 2  frontend:
 3    phases:
 4      preBuild:
 5        commands:
 6          - npm ci
 7      build:
 8        commands:
 9          - env | grep -e API_ENDPOINT >> .env.production
10          - env | grep -e NEXT_PUBLIC_ >> .env.production
11          - npm run build
12    artifacts:
13      baseDirectory: .next
14      files:
15        - '**/*'
16    cache:
17      paths:
18        - node_modules/**/*
19
```

## Build image settings

**Edit**

### Build image
Use our default build container, or provide your own. Learn more ⎋

Using custom image: **public.ecr.aws/docker/library/node:20.11.1**

### Build timeout
This is the maximum time a build can run for.

30m

### Live package updates
Override the default installed versions of packages or tools for your app.

No live package updates configured.

# Amplify Hosting - Custom Domain & Redirects

## Custom domain: dev.hello.naru200.com

[Actions ▼]  [Manage domain]

| Domain | SSL certificate |
| --- | --- |
| ⊘ **Available** | Amplify managed certificate |

| URL | Branch | Redirects to |
| --- | --- | --- |
| https://dev.hello.naru200.com | dev | - |
| https://www.dev.hello.naru200.com | dev | https://dev.hello.naru200.com |

## Custom domain: hello.naru200.com

[Actions ▼]  [Manage domain]

| Domain | SSL certificate |
| --- | --- |
| ⊘ Available | Amplify managed certificate |

| URL | Branch | Redirects to |
| --- | --- | --- |
| https://hello.naru200.com | main | - |
| https://www.hello.naru200.com | main | https://hello.naru200.com |

## Rewrites and redirects

Redirects are a way for a web server to reroute navigation from one URL to another. Support for the following HTTP status codes: 200, 301, 302, 404. Learn more ⬈

### Rewrites and redirects

[Edit]

🔍 Search      ‹ 1 › ⚙

| Source address | Target address | Type | Country code |
| --- | --- | --- | --- |
| https://www.hello.naru200.com | https://hello.naru200.com | 301 (Redirect - Permanent) | - |
| https://www.dev.hello.naru200.com | https://dev.hello.naru200.com | 301 (Redirect - Permanent) | - |
| / | /index.html | 200 (Rewrite) | - |

# Amplify Hosting - Monitoring (logs)

Metrics | Alarms | **Access logs**

Search and download site access logs generated by each of your domains. Latest logs can take up to an hour to appear

**Domain source**
Select a domain to view logs

dev.hello.naru200.com ▼

**Access logs - dev.hello.naru200.com**

⟳ | Edit time range | **Download**

🔍 Search     ‹ **1** 2 3 4 5 6 7 ... 18 › ⚙

| Date ▽ | Time ▽ | Hostheader ▽ | Status ▽ | Useragent |
|--------|--------|--------------|----------|-----------|
| 2024-02-26 | 05:31:16 | dev.hello.naru200.com | 301 | Mozilla/5.0%20\(X11;%20CrOS%20i686%203912... |
| 2024-02-26 | 05:31:17 | dev.hello.naru200.com | 200 | Mozilla/5.0%20\(X11;%20CrOS%20i686%203912... |
| 2024-02-26 | 05:41:54 | dev.hello.naru200.com | 200 | Mozilla/5.0%20\(X11;%20Linux%20x86_64;%20rv... |
| 2024-02-26 | 05:41:59 | dev.hello.naru200.com | 200 | Mozilla/5.0%20\(Macintosh;%20Intel%20Mac%20... |

If your app uses Amplify Hosting's Compute service, its logs are sent to CloudWatch. Example usage includes Server-Side Rendering (SSR) and API route execution.
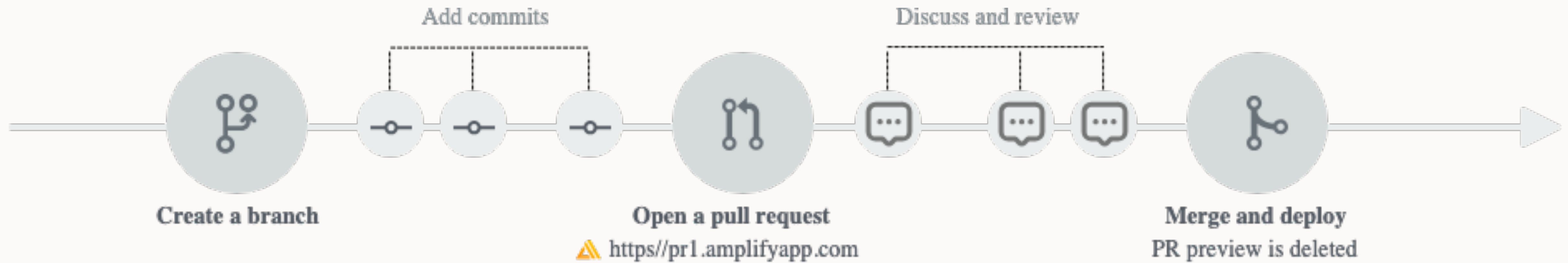
## Hosting compute logs

🔍 Search     ‹ **1** › ⚙

| Branch name ▲ | CloudWatch log streams |
|---------------|------------------------|
| dev | log-group:/aws/amplify/d3sa2dpvd2l6sa:logStreamNameFilter:dev 🗗 |
| main | log-group:/aws/amplify/d3sa2dpvd2l6sa:logStreamNameFilter:main 🗗 |

# Amplify Hosting - PR previews



Add commits

Discuss and review

Create a branch

Open a pull request

https//pr1.amplifyapp.com

Merge and deploy

PR preview is deleted

# Amplify Hosting - PR previews

# Host an app
## Pay as you go

Need more capacity than the free tier? Amplify switches over to pay as you go pricing once you exceed free tier limits, with no disruption to your apps.

**BUILD & DEPLOY**

$0.01 per minute

**DATA STORAGE**

$0.023 per GB per month (this charge recurs until the app is deleted)

**DATA TRANSFER OUT**

$0.15 per GB served

**REQUEST COUNT (SSR)**

$0.30 per 1 million requests

**REQUEST DURATION (SSR)**

$0.20 per hour (GB-hour)

*Cost effective, no flat fee per user. Includes multiple sites per project and public SSL certificates at no additional cost.*

# Amplify UI

# Themeable, accessible components
# Ready to connect to the cloud

Amplify UI is a collection of accessible, themeable, performant React (and more! 🤖 🅰️ 🎯 ⚛️ ⚛️ 🔶 🔷) components that can connect directly to the cloud.

**Cloud connected**
Focus on your UI and let us take care of the rest

**Build visually**
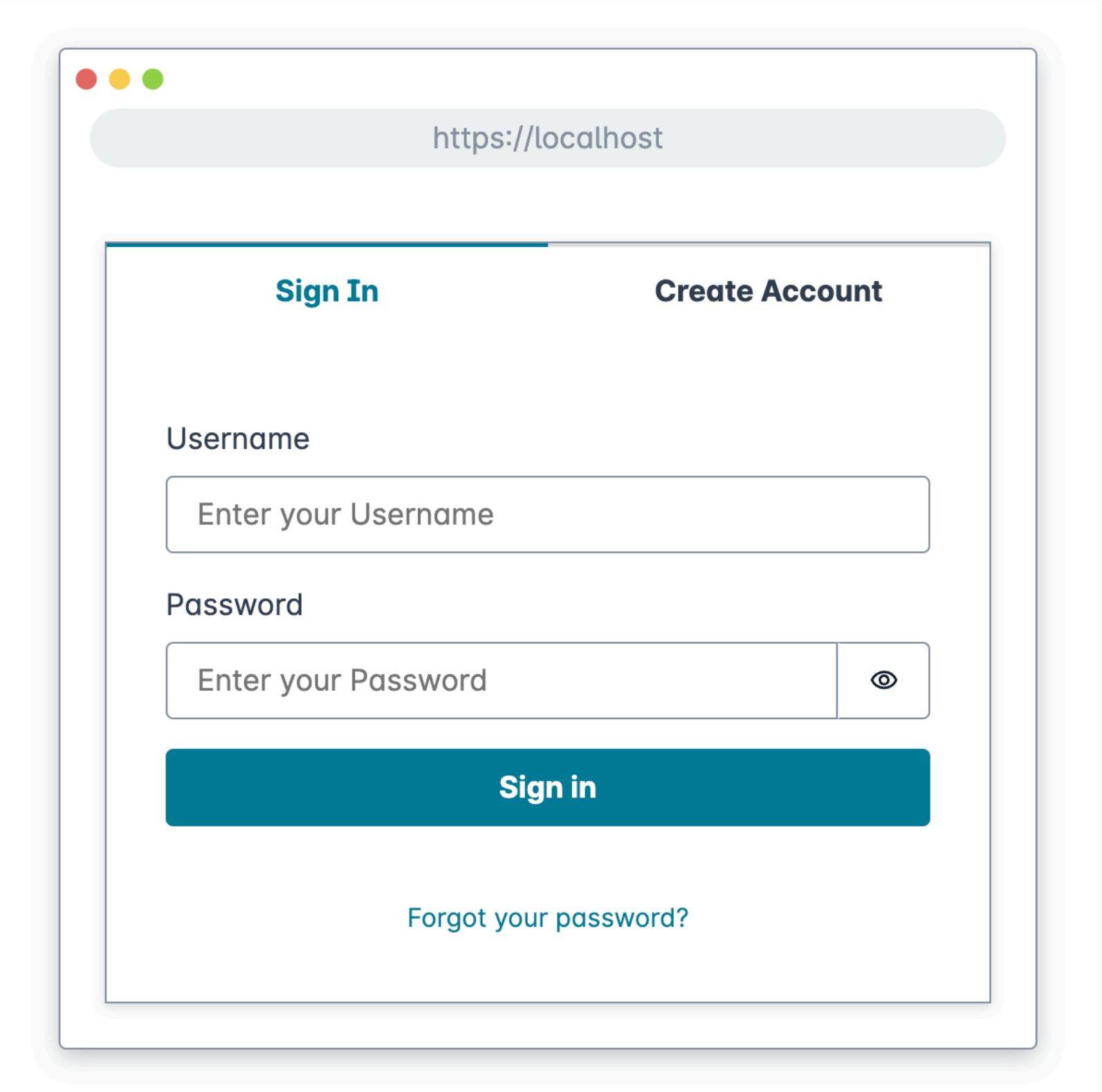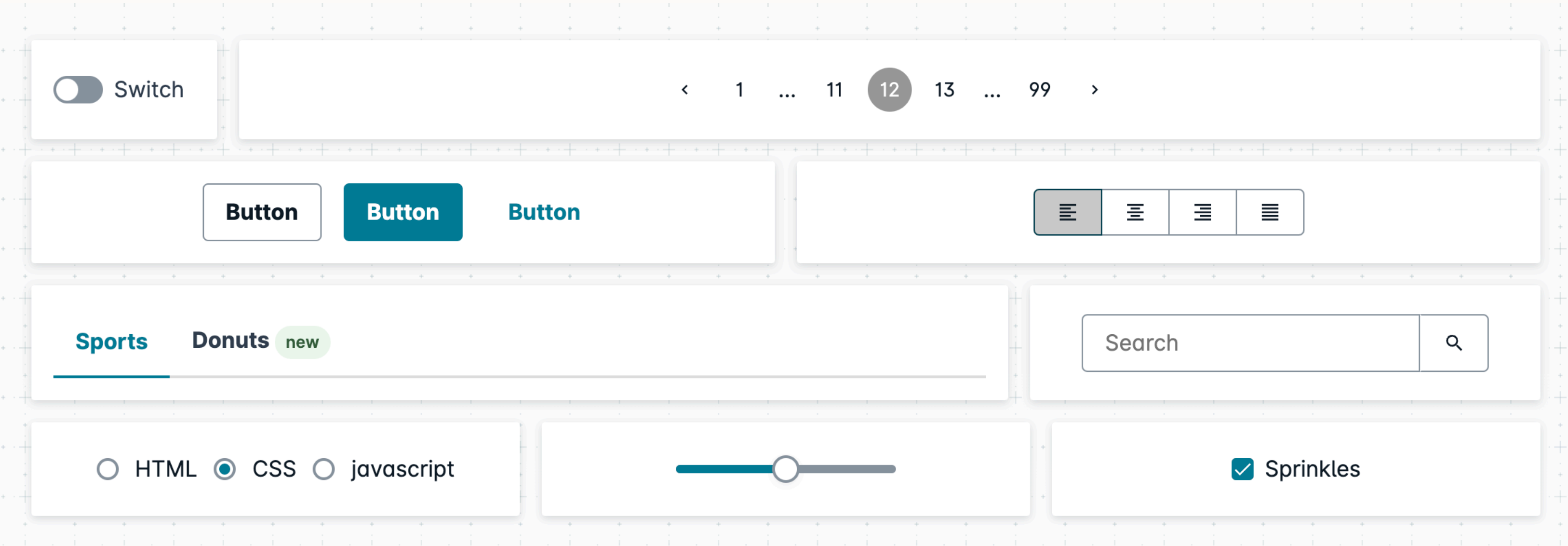Compose in your IDE—or visually with Amplify Studio

**Styling your way**
Use plain CSS, design tokens, or with your favorite CSS-in-JS library

https://ui.docs.amplify.aws

# Amplify UI

Switch

‹ 1 ... 11 (12) 13 ... 99 ›

**Button** **Button** **Button**

Sports  **Donuts** new

Search

○ HTML ● CSS ○ javascript

☑ Sprinkles

https://localhost

Sign In | Create Account

Username

Enter your Username

Password

Enter your Password

Sign in

Forgot your password?

# Amplify UI - Figma to Code